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This figure displays the protein sequence alignment and secondary structure for the NC\_000913.yidB gene. The top part shows the sequence alignment with various amino acids color-coded by their properties. The bottom part shows the predicted secondary structure with regions of alpha-helices (red), beta-sheets (green), and loops (blue). Red dots indicate specific mutations or sites of interest.

The diagram illustrates the yidB gene structure across three panels. The top panel shows the DNA sequence with transcription start sites indicated by asterisks (\*). The middle panel shows the primary transcript with amino acid translations below the sequence. The bottom panel shows two predicted RNA secondary structures (red and green) with dashed lines indicating base pairing between distant positions.

... ----| sd-ir 3875542 yidB\_RIP280+ total 5.1 bits {-----} sd-(6)-ir 3875579 Gap 4.3 bits

p35-(22)-p10 5.6 bits

The diagram illustrates a tRNA molecule with a characteristic cloverleaf shape. The top arm features a terminal nucleotide marked with an asterisk (\*). The bottom arm is where the amino acid is attached; it has a red circle at the 3' end, with the label "glu" written below it. The rightmost arm ends with the label "arg". The leftmost arm contains the sequence "-fMet-", where "fMet" is in blue and underlined, indicating it is the initiator methionine.